Contents Volume 34 (1995)

Abdallah J Jr, Collins LA, Csanak G, Petschek AG, Schappert GT: Two-photon ionization of an inner shell electron of the Cl atom 233
Allaf AW → Hallett RP 65
Almaraz MA → Lavin C 143
Altenmüller TP: Are there quantum beats from vacuum-induced coherence? 157
Amblard J → Khatouri J 47, 57
Appelt S, Wäckerle G, Mehring M: A magnetic resonance study of non-adiabatic evolution of spin quantum states 75

Balcou Ph, Salières P, Budil KS, Ditmire T, Perry MD, L'Huillier A: High-order harmonic generation in rare gases: a new source in photoionization spectroscopy 107
Balm SP → Hallett RP 65
Bard A → Schnabel R 223
Barranco M → Guilleumas M 35
Baumann M → Reinhardt T 87
Belloni J → Khatouri J 47, 57
Bertsch G, Onishi N, Yabana K: Magnetization of ferromagnetic clusters 213
Beuc R → Vadla C 171
Brack M → Reimann SM 125
Budil KS → Balcou Ph 107

Cataliotti FS → Fort C 91
Collins LA → Abdallah J Jr 233
Csanak G → Abdallah J Jr 233

Ditmire T → Balcou Ph 107

Elander N → Scrinzi A 185

Falk J → Hansen K 251
Fort C, Cataliotti FS, Raspollini P, Tino GM, Inguscio M: Optical double-resonance spectroscopy of trapped Cs atoms: hyperfine structure of the 8s and 6d excited states 91
Frauendorf S → Reimann SM 125
Froese Fischer C → Ynnerman A 1
Frohlich H, Glass-Maujean M, Siebbeles LDA, Vasyutinskii O: Observation of the fluorescence polarization of atomic fragments from rotational resolved predissociation 119

Gijbels R → Oleshko V 283
Glass-Maujean M → Frohlich H 119
Grün N → Thiel J 21
Gu S → Lei T 139
Gudjons T → Kurth F 227
Gudkov VV → Nesterenko VO 271
Guilleumas M, Pi M, Barranco M, Suraud E: ^{3}He-^{3}He drop collisions in the Vlasov dynamics 35

Hallett RP, McKay KG, Balm SP, Allaf AW, Kroto HW, Stace AJ: Reaction studies of carbon clusters 65
Hansen K, Falk J: Kinetic energy release during evaporation from large sodium clusters 251
Helbig V → Langhans G 151
Hilbert B → Kurth F 227
Hoffstadt J → Thiel J 21
Holmlid L: Scattering of a potassium atom beam from potassium promoted catalyst surfaces via electronically excited clusters 199
Horvatic V, Veza D, Movre M, Niemax K, Vadla C: Collision cross sections for excitation energy transfer in $Na^*(3P_{1/2})+K(4S_{1/2}) \Leftrightarrow Na^*(3P_{3/2})+K(4S_{1/2})$ processes 163
Horvatic V → Vadla C 171
Huang R-B → Liu Z-Y 257

Inguscio M → Fort C 91

Jacob W → Oleshko V 283
Jakubaßa-Amundsen DH: A quasielastic scattering approximation for target ionisation by heavy structured projectiles 9
Jiang Y, Sun J, Wan L: Total cross sections for electron scattering by polyatomic molecules at 10–1000 eV: C_2H_2, C_2H_4, C_2H_6, C_3H_6, C_3H_8 and C_4H_8 29

Khatouri J, Mostafavi M, Ridard J, Amblard J, Belloni J: Kinetics of cluster growth by aggregation 47
Khatouri J, Ridard J, Mostafavi M, Amblard J, Belloni J: Kinetics of cluster aggregation in competition with a chemical growth reaction 57
Kleinig W → Nesterenko VO 271
Kock M → Schnabel R 223
Koga T, Morishita S: Optimal Kinoshita wave functions for heliumlike atoms 71
Kröger S → Kronfeldt H-D 219
Kronfeldt H-D, Kröger S: Hyperfine structure in the configuration $4f^{13}\,6s7s$ of Tm I 219
Kroto HW → Hallett RP 65
Krüger J → Reinhardt T 87
Kurth F, Gudjons T, Hilbert B, Reisinger T, Werth G, Mårtensson-Pendrill A-M: Doppler free "dark resonances" for hyperfine measurements and isotope shifts in Ca^+ isotopes in a Paul trap 227

Labastie P, L'Hermite J-M, Poncharal P, Rakotoarisoa L, Sence M: Direct temperature measurement in alkali halide cluster beam 135
Langhans G, Schade W, Helbig V: Radiative lifetimes of neutral and singly ionized atoms of refractory elements 151
Lavin C, Almaraz MA, Martin I: Relativistic oscillator strengths for excited state transitions in some ions of the silver isoelectronic sequence 143
Lei T, Gu S, Weng Z, Zeng X: Measurement of the polarizabilities of n^2D Rydberg states of cesium 139
Liu Z-Y, Wang C-R, Huang R-B, Zheng L-S: Mass distribution of cluster ions produced from laser ablation of metal-composite-oxides Y–M–Cu–O (M=Ba, Sr, Ca, Mg) 257
L'Hermite J-M → Labastie P 135
L'Huillier A → Balcou Ph 107
Lundsgaard MFV, Nielsen SE: Coherence parameters for $He^+(2p)$ capture and $H(2p)$ excitation in He^{2+}-$H(1s)$ collisions 97

Maichel J → Reinhardt T 87
Manz J, Proppe B, Schmidt B: From torsional spectra to Hamiltonians and dynamics: effects of coupled bright and dark states of 9-(N-carbazolyl)-anthracene 111
Mårtensson-Pendrill A-M → Kurth F 227
Martin I → Lavin C 143
McEachran RP → Zeman V 293
McKay KG → Hallett RP 65
Mehring M → Appelt S 75
Mitchell JBA → Yousif FB 195
Moiseev I → Oleshko V 283
Montag B: Molecules of jellium dimers. A simple view of the electron cloud in small metal clusters 263
Morishita S → Koga T 71
Mostafavi M → Khatouri J 47, 57
Movre M → Horvatic V 163

Nesterenko VO, Kleinig W, Gudkov VV: Collective $E\lambda$ excitations of surface character in spherical and deformed sodium clusters: vibrating potential model 271
Nielsen SE → Lundsgaard MFV 97
Niemax K → Horvatic V 163
Niemax K → Vadla C 171

Oleshko V, Volkov V, Gijbels R, Jacob W, Vargaftik M, Moiseev I, Van Tendeloo G: High-resolution electron microscopy and electron energy-loss spectroscopy of giant palladium clusters 283
Onishi N → Bertsch G 213
Ostojić B → Perić M 241

Perić M, Ostojić B, Peyerimhoff SD: Ab initio calculation of the potential surfaces and the electronic transition moments for the valence and Rydberg doublet electronic states of BH_2 241
Perry MD → Balcou Ph 107
Petschek AG → Abdallah J Jr 233
Peyerimhoff SD → Perić M 241
Pi M → Guilleumas M 35
Poncharal P → Labastie P 135
Proppe B → Manz J 111

Rakotoarisoa L → Labastie P 135
Raspollini P → Fort C 91
Reimann SM, Frauendorf S, Brack M: Triaxial shapes of sodium clusters 125
Reinhardt T, Maichel J, Baumann M, Krüger J: Hyperfine structure of the resonance lines of ^{53}Cr and lifetimes of some excited states of the Cr I spectrum 87
Reisinger T → Kurth F 227
Ridard J → Khatouri J 47, 57

Salières P → Balcou Ph 107
Schade W → Langhans G 151
Schappert GT → Abdallah J Jr 233
Scheid W → Thiel J 21
Schmidt B → Manz J 111

Schnabel R, Bard A, Kock M: On the determination of radiative lifetimes of excited Mn I and Mn II levels 223
Scrinzi A, Elander N, Wolf A: Laser induced recombination to excited states of hydrogen-like ions 185
Sence M → Labastie P 135
Siebbeles LDA → Frohlich H 119
Stace AJ → Hallett RP 65
Stauffer AD → Zeman V 293
Sun J → Jiang Y 29
Suraud E → Guilleumas M 35

Thiel J, Hoffstadt J, Grün N, Scheid W: Fermionic and bosonic coupled channel calculations in momentum space for electron-positron pair creation in relativistic heavy-ion collisions 21
Tino GM → Fort C 91

Vadla C, Niemax K, Horvatic V, Beuc R: Population and deactivation of lowest lying barium levels by collisions with He, Ar, Xe and Ba ground state atoms 171
Vadla C → Horvatic V 163
Van Tendeloo G → Oleshko V 283
Vargaftik M → Oleshko V 283
Vasyutinskii O → Frohlich H 119
Veza D → Horvatic V 163
Volkov V → Oleshko V 283

Wäckerle G → Appelt S 75
Wan L → Jiang Y 29
Wang C-R → Liu Z-Y 257
Weng Z → Lei T 139
Werth G → Kurth F 227
Wolf A → Scrinzi A 185

Yabana K → Bertsch G 213
Ynnerman A, Froese Fischer C: Allowed transitions and intercombination lines in B II 1
Yousif FB, Mitchell JBA: Electron-impact dissociative excitation of H_2^+: low energy studies 195

Zeman V, McEachran RP, Stauffer AD: Relativistic calculation of Stokes' parameters for intermediate energy electron impact excitation of cesium atoms (*Erratum*) 293
Zeng X → Lei T 139
Zheng L-S → Liu Z-Y 257

Indexed in *Current Contents*
Evaluated and abstracted
for PHYS on STN